

## SWP Water Quality Summary

January 9 to February 13, 2008

**Total Dissolved Solids:** TDS decreased at Banks Pumping Plant (BPP), Checks 29, 41, Barker Slough and Vallecitos stations from January 9, 2008 to February 13, 2008. Concentrations ranged from 224 mg/L to 303 mg/L (373 uS/cm to 505 uS/cm). TDS at all locations remained below the Article 19 Monthly Average Objective of 440 mg/L. The highest concentration of 303 mg/L (505 uS/cm) occurred at Check 41 while the lowest concentration of 224 mg/L (373 uS/cm) occurred at Vallecitos on February 13, 2008. Concentrations decreased this month at BPP from 399 mg/L to 259 mg/L (705 uS/cm to 665 uS/cm). The decrease observed at BPP may be due to the subsequent dilution from recent rainfall and runoff events.

**Bromide:** Concentrations exceeded the California Bay Delta Authority (CBDA) Objective of 0.05 mg/L at all locations. Concentrations ranged from 0.16 mg/L to 0.25 mg/L. Vallecitos had the lowest concentration of 0.16 mg/L, followed by BPP and Devil Canyon with 0.28 mg/L while the highest concentration of 0.25 mg/L occurred at Checks 29 and 41. The concentration at BPP decreased from 0.42 mg/L to 0.20 mg/L as of February 13, 2008.

**Turbidity:** Turbidity levels decreased at all locations except at Check 29. Turbidity levels ranged from 1 to 100 NTU this month. The lowest level of 1 NTU occurred at Devil Canyon while the highest level of 100 NTU occurred at Barker Slough on February 13, 2008. Turbidity levels at BPP also decreased from 22 NTU to 18 NTU this month, possibly due to the recent rainfall events.

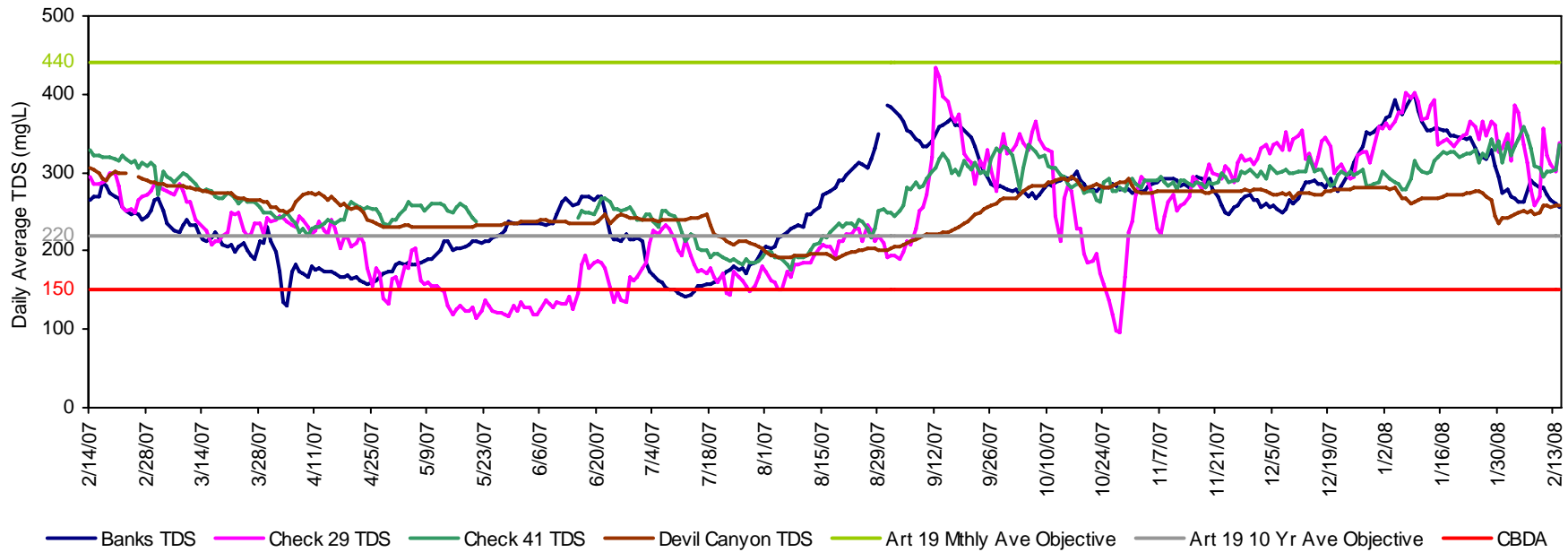
**Dissolved Organic Carbon:** Concentrations increased at BPP from 3.9 mg/L to 6.8 mg/L, at Check 13 from 1.6 to 8.5 mg/L, and Edmonston from 0.4 mg/L to 1.7 mg/L, this month. Concentrations at BPP and Check 13 exceeded the CALFED TOC Objective of 3.0 mg/L. The increased DOC concentrations, is a reflection of the rainstorm and runoff events that occurred this month.

**Taste and Odor Compounds:** MIB and geosmin remain low ranging from non-detect to 4 ng/L at San Luis Reservoir, Pacheco Pumping Plant, O'Neill Forebay Outlet and Check 66. The highest concentrations of MIB (2 ng/L) and geosmin (4 ng/L) were detected at Check 66 on February 4, 2008.

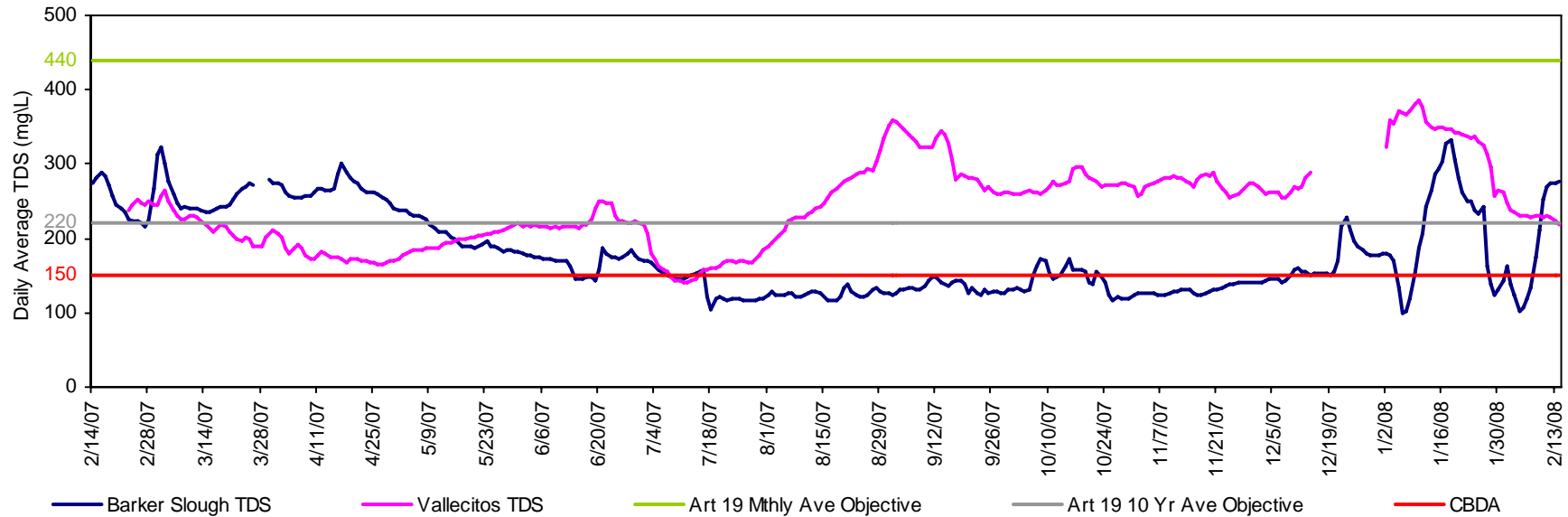
### Note:

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientist and interested parties with the status of water quality in the State Water Project (SWP). Your comments, questions and suggestions are welcome and can be directed to Cindy Garcia @ 916-653-7213, or Austine Eke @ 916-653-7227. To view WQ data from any of the 15 automated stations along the SWP, visit: <http://www.womwq.water.ca.gov> and click the "Autostation Data" link on the left side navigation bar.

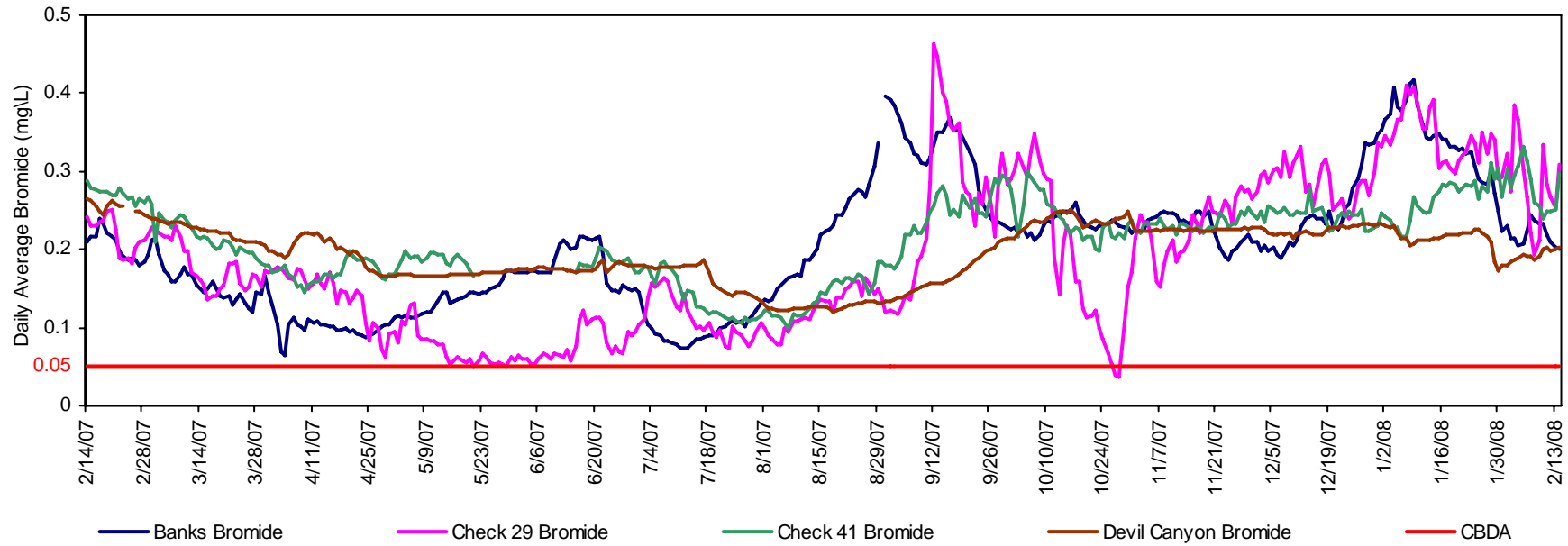
## California Aqueduct - Calculated Total Dissolved Solids



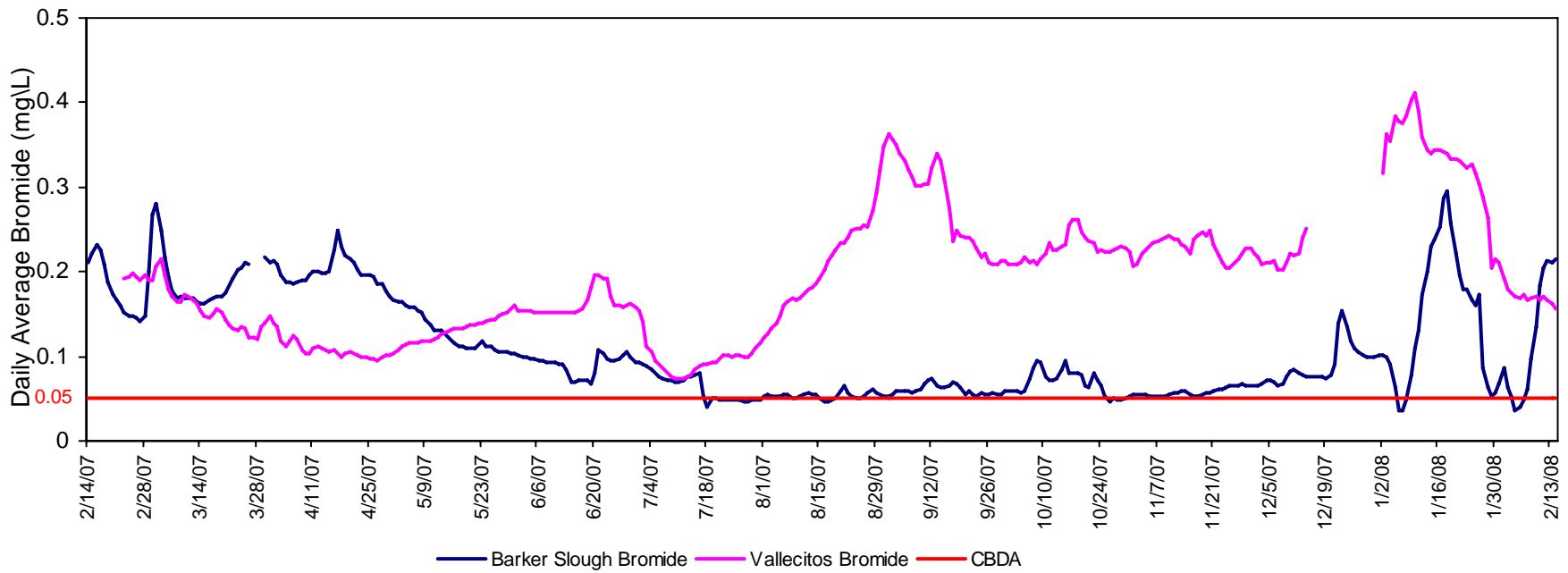
## North and South Bay Aqueduct - Calculated Total Dissolved Solids



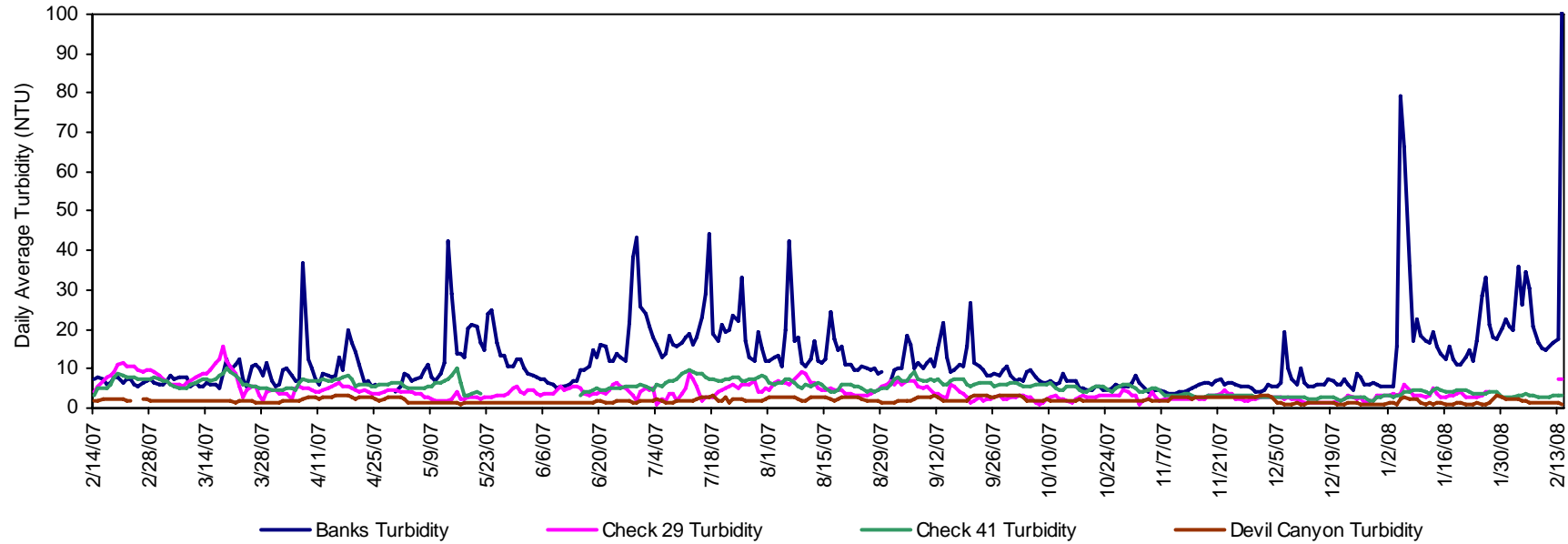
California Aqueduct - Calculated Bromide



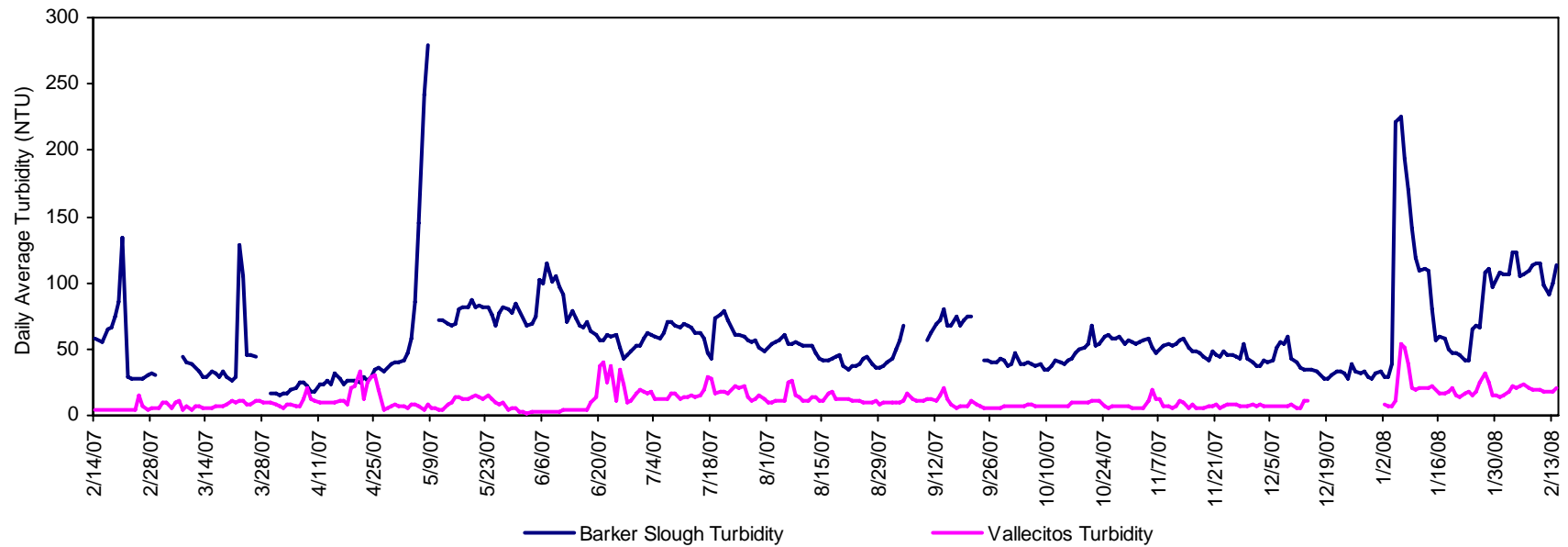
North and South Bay Aqueduct - Calculated Bromide



### California Aqueduct - Turbidity



### North and South Bay Aqueduct - Turbidity



# California Aqueduct Calculated Dissolved Organic Carbon

